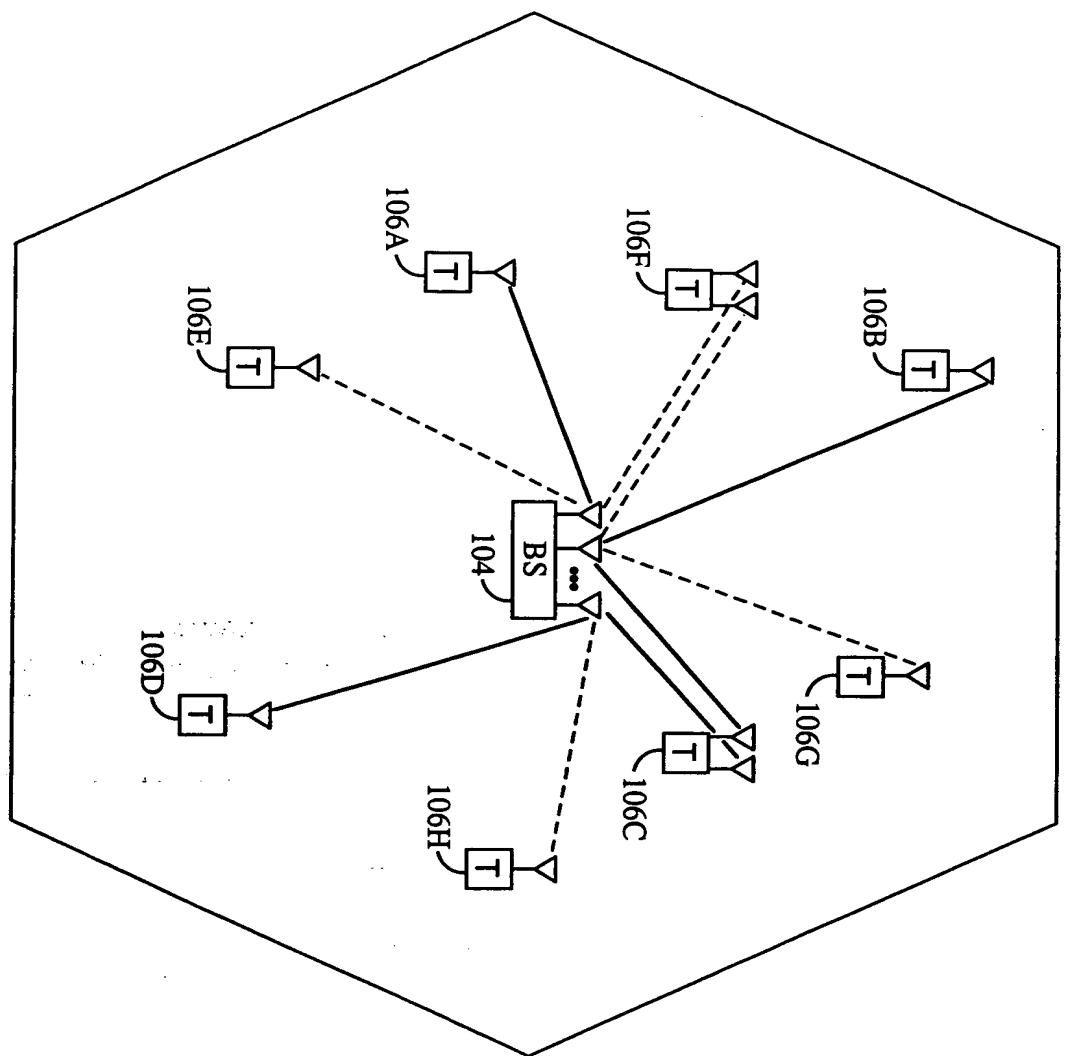


FIG. 1



100

240

START

250 DEFINE VECTOR OF SETPOINTS  $z_n$  AND VECTOR OF CORRESPONDING CODE RATES  $r_n$ 

252 RANK ALL AVAILABLE TRANSMISSION CHANNELS BASED ON THEIR CHANNEL GAINS

254 DETERMINE SEQUENCE  $b_1$  OF POSSIBLE NORMALIZATION FACTORS256 IDENTIFY A (NEW) CODE RATE,  $r_n$ , FOR EVALUATION258 SELECT LARGEST VALUE OF  $i$  SUCH THAT EACH OF  $i$  CHANNELS CAN ACHIEVE SETPOINT  $z_n$  REQUIRED FOR CODE RATE  $r_n$ 260 DETERMINE THRESHOLD  $a_n$  FOR SETPOINT  $z_n$ 262 DETERMINE MAXIMUM ACHIEVABLE THROUGPUT,  $T_n$ , FOR SETPOINT  $z_n$ 

264 ALL CODE RATES EVALUATED ? NO YES

266 DETERMINE OPTIMUM THROUGPUT,  $T_{opt}$ , AND OPTIMUM THRESHOLD,  $a_{opt}$ 

END

FIG. 2B

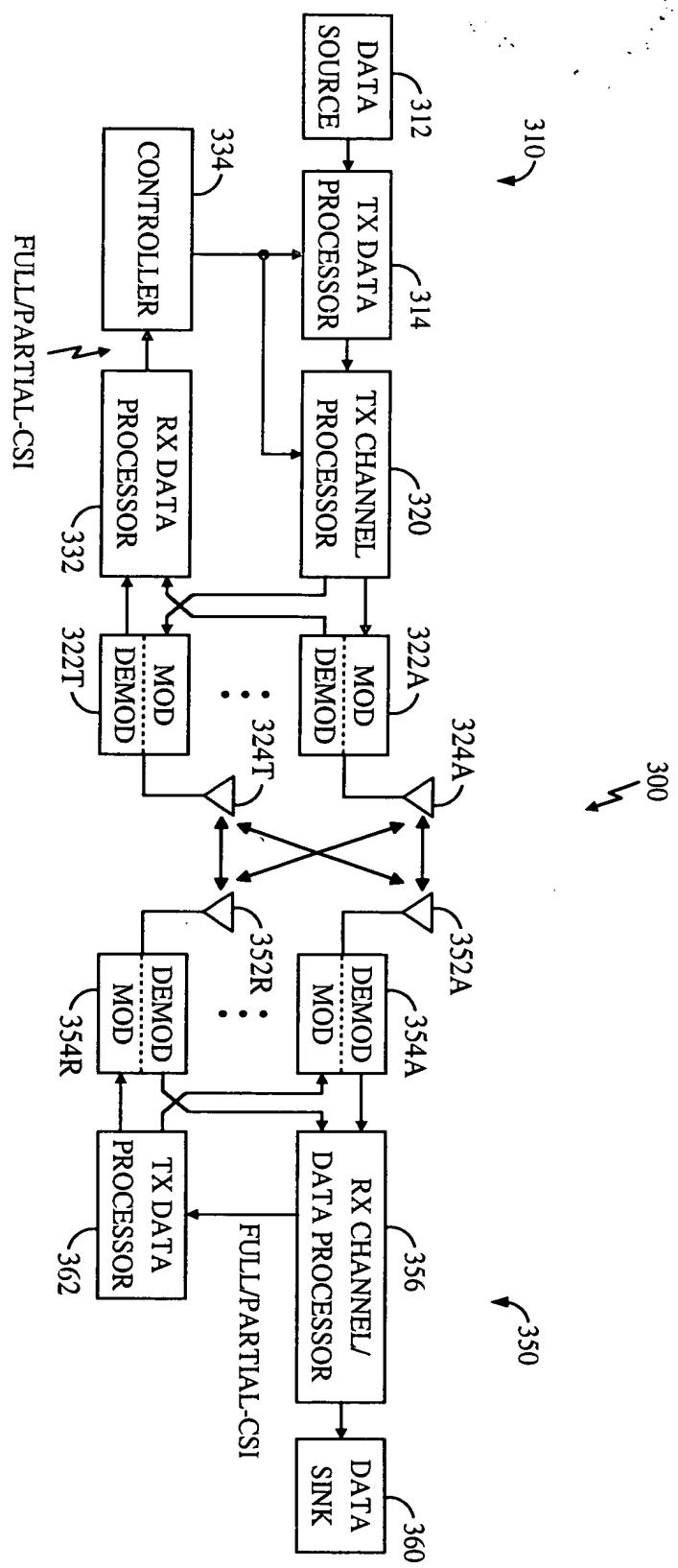


FIG. 3

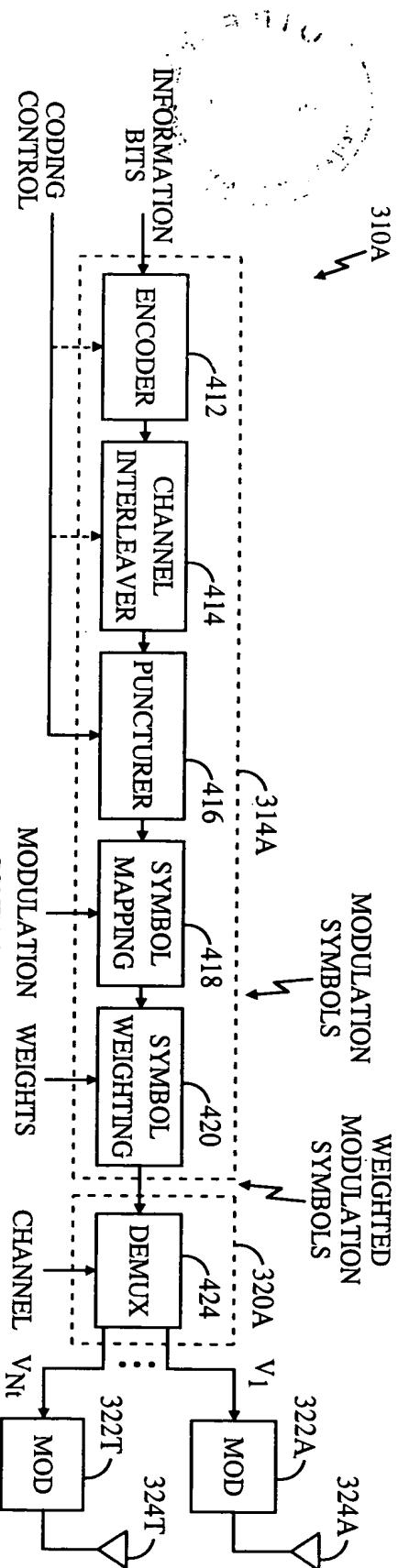


FIG. 4A

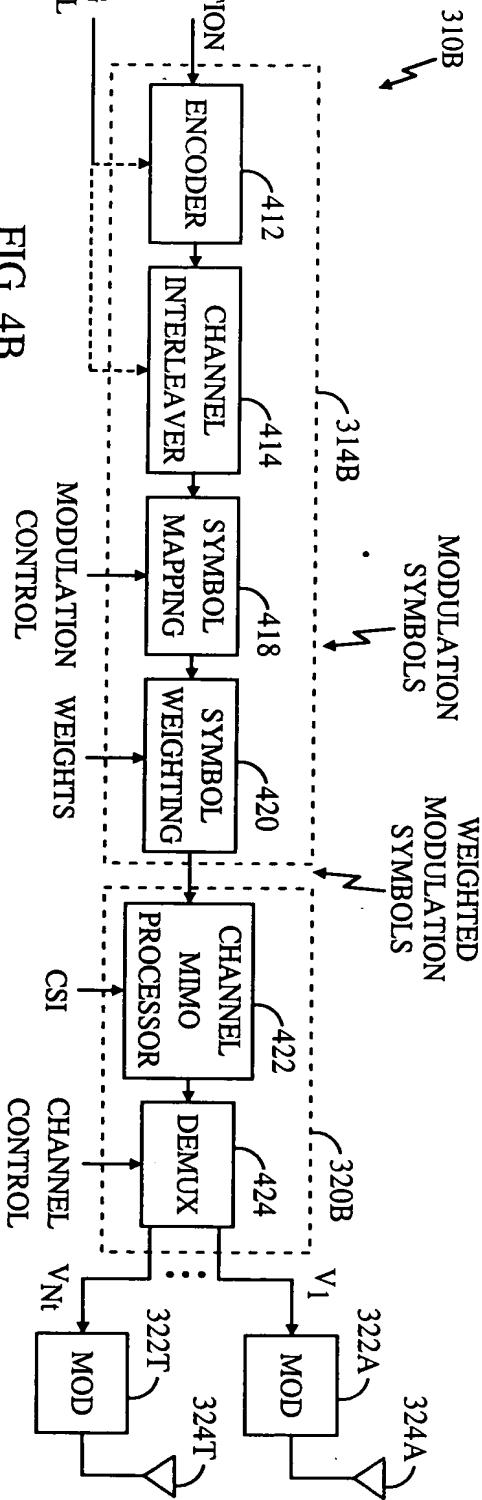


FIG. 4B

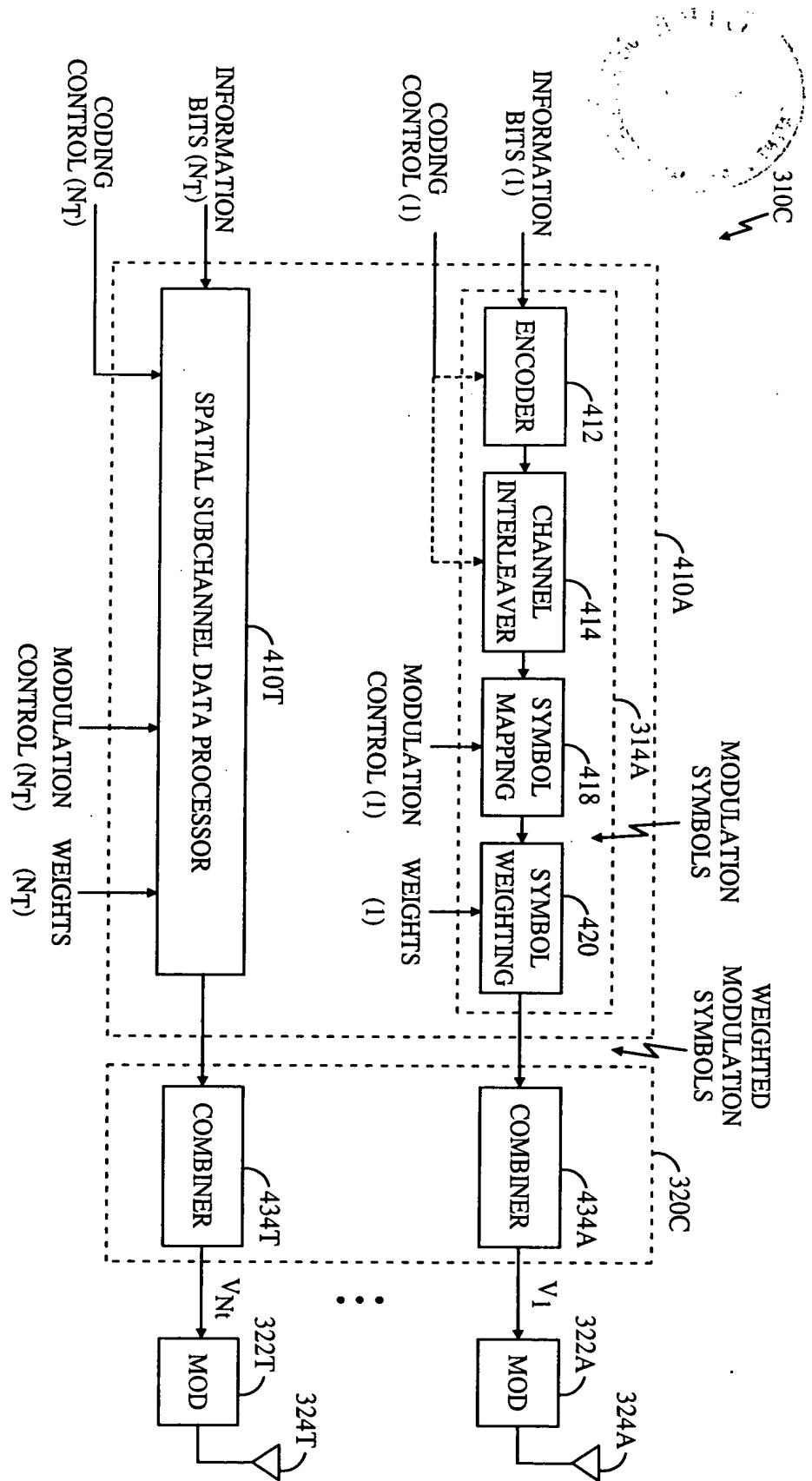


FIG. 4C

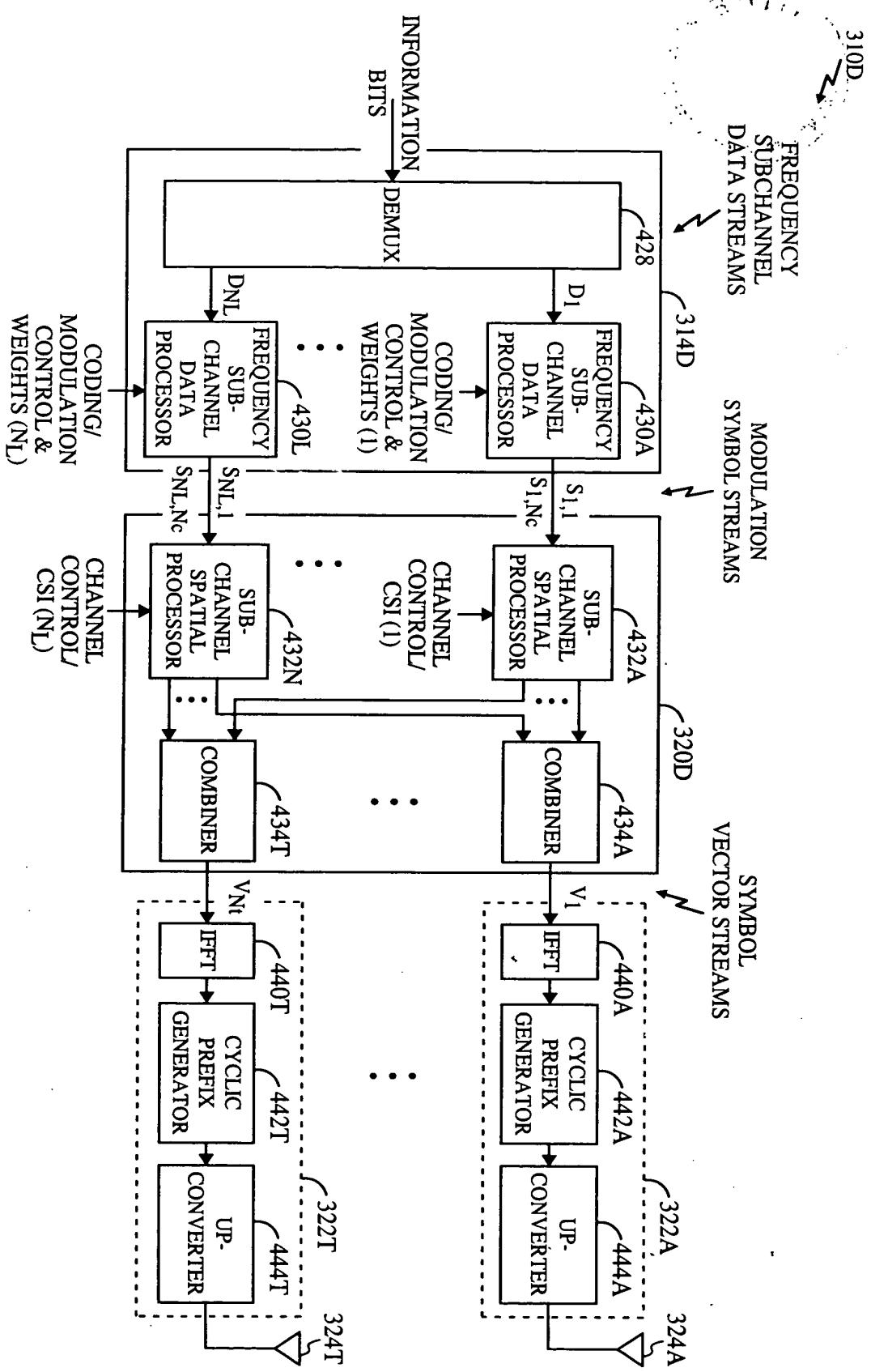
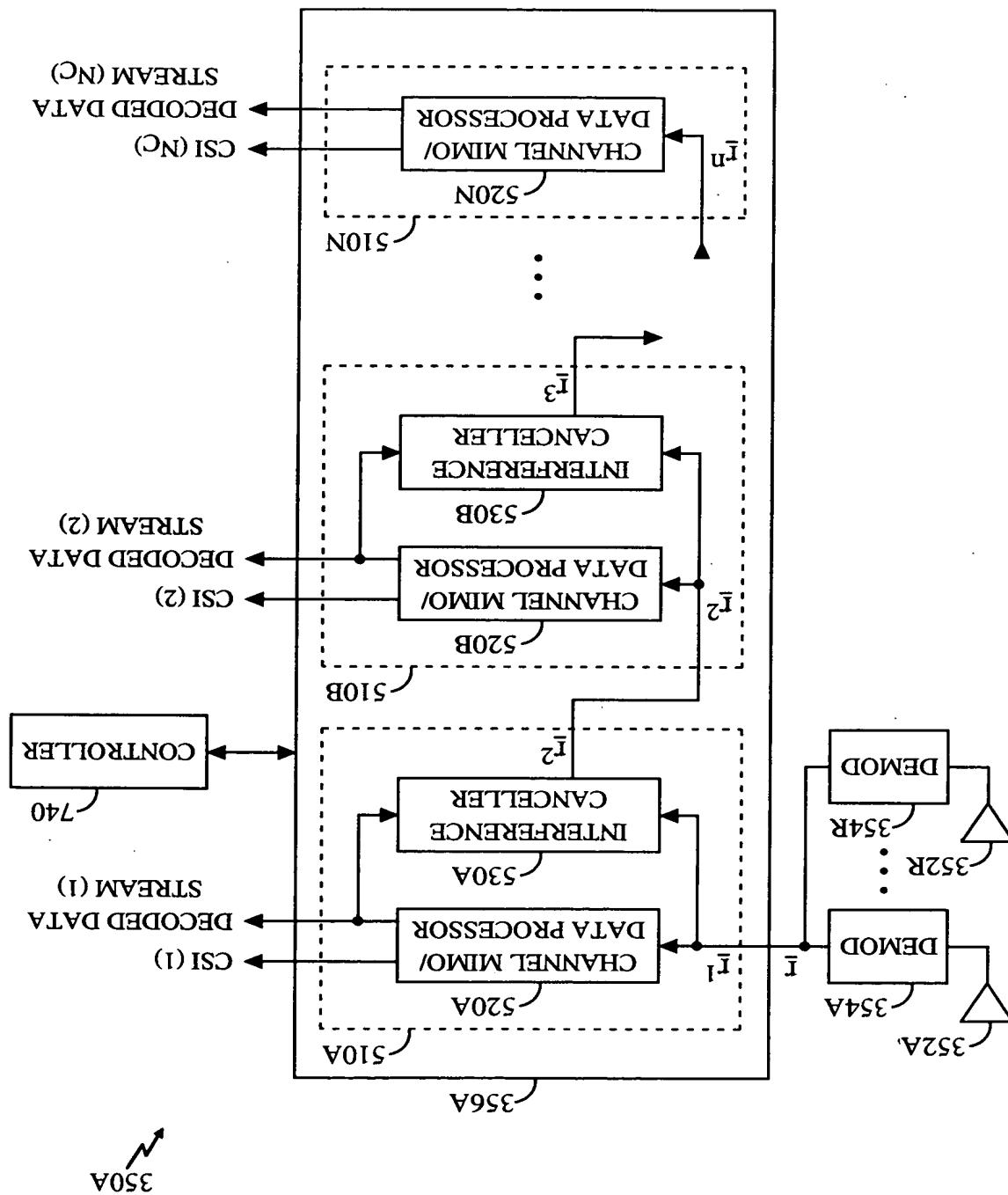


FIG. 4D

FIG. 5



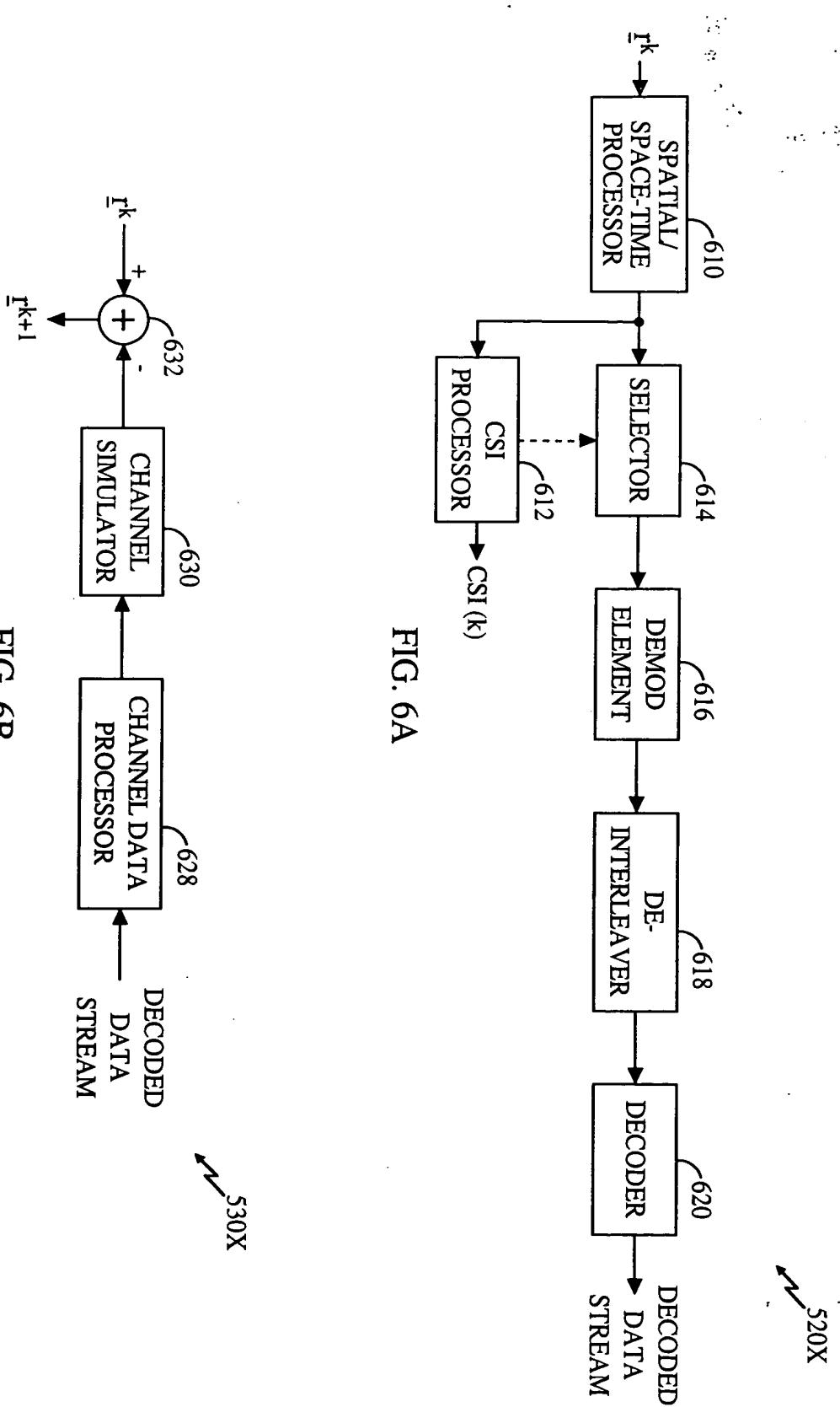


FIG. 6A

FIG. 6B

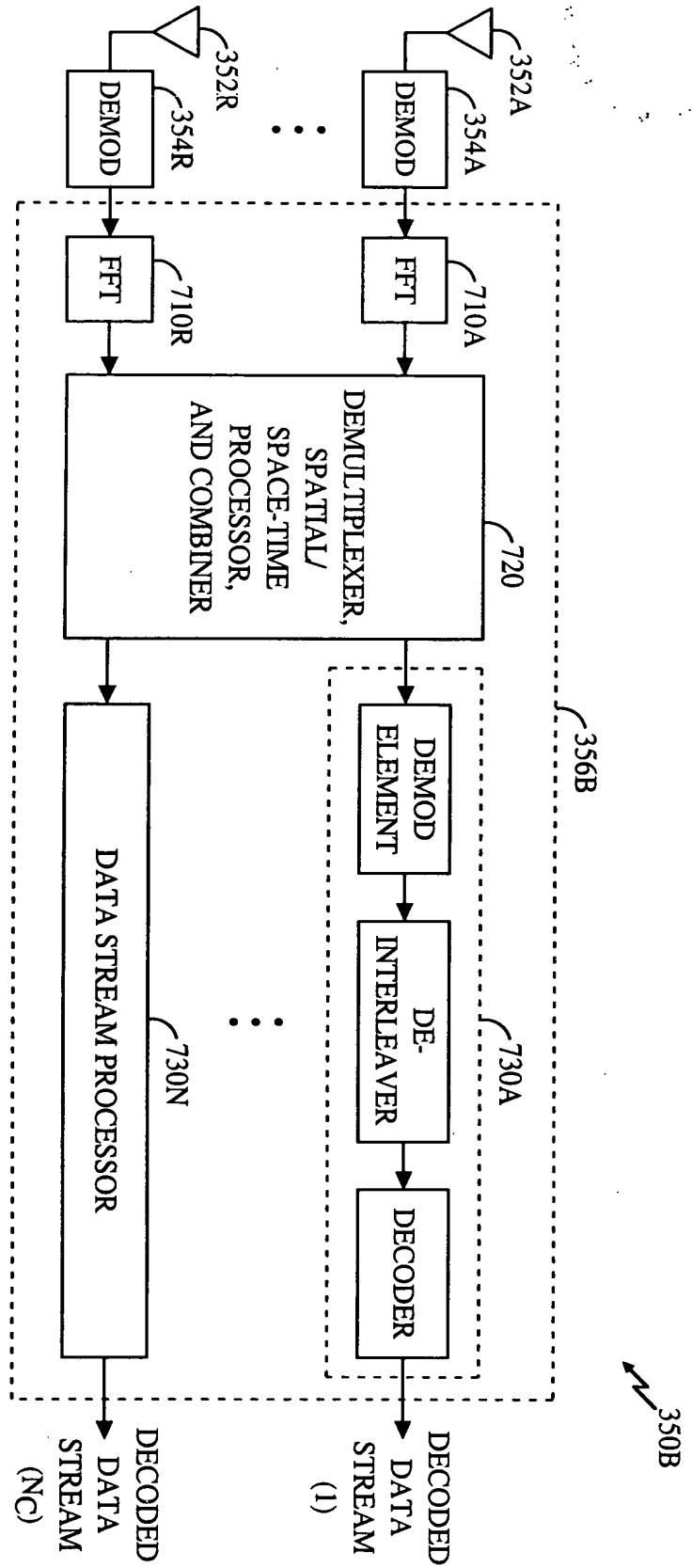


FIG. 7